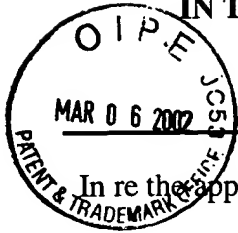


JC10 Rec'd PCT/PTO Q 6 MAR 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re the application of: Paulo Vicente DA SILVA  
MARQUES *et al.*

Serial No.: 09/890,681 (CONF. #6722)

Filed: January 10, 2002

For: BURNER FOR FABRICATING AEROSOL  
DOPED WAVEGUIDES

Attorney Docket No.: MCW-003US

Group Art Unit: 3743

Examiner:

Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, D.C. 20231

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Certificate of First Class Mailing (37 CFR 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, **Office of Initial Patent Examination, Customer Service Center**, Washington, D.C. 20231 on the date set forth below.

February 26, 2002  
Date of Signature and of Mail Deposit

By:   
Anthony A. Laurentano  
Reg. No. 38,220  
Attorney for Applicants

**REQUEST FOR CORRECTION OF OFFICIAL FILING RECEIPT**


Dear Sir:

Applicants request that the word "dopes" in the title be changed to the correct spelling of **--doped--**. Title should read **"Burner for fabricating aerosol doped waveguides."** A copy of the executed Declaration, Petition and Power of Attorney is enclosed to support this requested change. Also enclosed is a copy of the Official Filing Receipt with the requested correction shown in red ink.

Since the error on the Official Filing Receipt appears to be a mere clerical, no fees are believed due to effect the necessary correction. However, if fees are due in connection with the filing of this Request, please charge them to our Deposit Account No. 12-0080.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP



Anthony A. Laurentano  
Registration No. 38,220  
Attorney for Applicants

28 State Street  
Boston, MA 02109  
(617) 227-7400

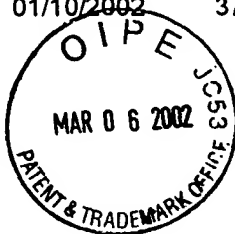
Date: **February 26, 2002**



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/890,681	01/10/2002	3743	990	MCW-003US	3	15	1



Anthony A Laurentano  
Lahive & Cockfield  
28 State Street  
Boston, MA 02109

CONFIRMATION NO. 6722

## FILING RECEIPT



\*OC00000007361155\*

Date Mailed: 01/29/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Paulo Vicente Da Silva Marques, Valongo, PORTUGAL;  
James Ronald Bonar, Renfrewshire, UNITED KINGDOM;  
James Stewart Aitchison, Ontario, CANADA;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/GB00/00332 02/07/2000

## Foreign Applications

UNITED KINGDOM 99002476.2 02/05/1999

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

Non-Publication Request: No

Early Publication Request: No

## Title

Burner for fabricating aerosol ~~dopes~~ waveguides*doped*

Preliminary Class

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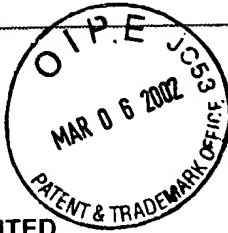
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DOCKET DEPT.

FEB - 5 2002

RETRIEVED: *2/7*FORWARDED: *2/15*

431



**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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Commissioner for Patents, Box PCT  
 United States Patent and Trademark Office  
 Washington, D.C. 20535  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/890,681	Paulo Vicente Da Silva Marques	MCW-003US

INTERNATIONAL APPLICATION NO.	
PCT/GB00/00332	
I.A. FILING DATE	PRIORITY DATE
02/07/2000	02/05/1999

Anthony A Laurentano  
 Lahive & Cockfield  
 28 State Street  
 Boston, MA 02109



CONFIRMATION NO. 6722  
 371 ACCEPTANCE LETTER



\*OC000000007361156\*

Date Mailed: 01/29/2002

## NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.494 OR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as an Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>01/10/2002</u>	<u>01/10/2002</u> ✓
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF RECEIPT OF ALL 35 U.S.C. REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- U.S. Basic National Fee
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments

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 APR 02 2002  
 TC 1700

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

---

VONDA M WALLACE

Telephone: (703) 305-3736

PART 1 - ATTORNEY/APPLICANT COPY



**DECLARATION, PETITION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

- ☐ Declaration Submitted with Initial Filing  
☒ Declaration Submitted after Initial Filing

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**BURNER FOR FABRICATING AEROSOL DOPED WAVEGUIDES**

the specification of which (check one):

- ☐ is attached hereto.  
OR

- ☒ was filed on 07 February 2000 as PCT International Application Number  
PCT/GB00/00332 and as U.S. Serial No. 09/890,681.

- ☐ and was amended by PCT Article 19 Amendment on \_\_\_\_\_  
(if applicable).  
☐ and was amended by PCT Article 34 Amendment on \_\_\_\_\_  
(if applicable).

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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**TC 1700**

## PRIORITY CLAIM

(Check one):

- ☐ no such applications have been filed.
- ☒ such applications have been filed as follows

1) **FOREIGN PRIORITY CLAIM:** I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (dd/mm/yyyy)	Priority Not Claimed	Certified Copy Attached	
				Yes	No
9902476.2	GB	05 February 1999 (05.02.1999)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto.

2) **PROVISIONAL PRIORITY CLAIM:** I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Provisional Application Number(s)	Filing Date (dd/mm/yyyy)

☐ Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.

3) **U.S./PCT PRIORITY CLAIM:** I hereby claim the benefit under Title 35, United States Code, §120 of any United States application or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (dd/mm/yyyy)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.



# POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield	Reg. No. 19,162	Megan E. Williams	Reg. No. 43,270
Thomas V. Smurzynski	Reg. No. 24,798	Jeremiah Lynch	Reg. No. 17,425
Ralph A. Loren	Reg. No. 29,325	David J. Rikkors	Reg. No. 43,882
Giulio A. DeConi, Jr.	Reg. No. 31,503	Maria C. Lacconipe	Limited Recognition
Ann Lamport Hammitte	Reg. No. 34,858		Under 37 C.F.R. § 10.9(b)
Elizabeth A. Hanley	Reg. No. 33,505	Debra J. Milasincic	Reg. No. 46,931
Amy E. Mandragouras	Reg. No. 36,207	David R. Burns	Reg. No. 46,590
Anthony A. Laurentano	Reg. No. 38,220	Sean D. Denweiler	Reg. No. 42,482
Kevin J. Canning	Reg. No. 35,470	Peter S. Stecher	Reg. No. 47,259
Jane E. Remillard	Reg. No. 38,872	Cynthia L. Kanik	Reg. No. 37,320
DeAnn F. Smith	Reg. No. 36,683	Theodore R. West	Reg. No. 47,202
Peter C. Lauro	Reg. No. 32,360	Shayne Y. Huff	Reg. No. 44,784
Jeannette M. DiGiorgio	Reg. No. 41,710		

Send Correspondence to:

**Anthony A. Laurentano, Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, United States of America**


Direct Telephone Calls to: (name and telephone number)

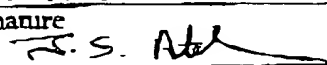
**Anthony A. Laurentano, (617) 227-7400**

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor <b>Paulo Vicente DA SILVA MARQUES</b>	
Inventor's signature <i>Paulo Vicente da Silva Marques</i>	Date <i>2001. Nov. 05</i>
Residence <b>R. Amaro Lopes 41, 2º DTO, 4440-671 Valongo, PORTUGAL</b>	
Citizenship <b>Portugal</b>	
Post Office Address (if different)	

Full name of first inventor <b>James Ronald BONAR</b>	
Inventor's signature 	Date <b>24 Oct '200</b>
Residence <b>48 Sandislands Avenue, Erskine, Renfrewshire PA8 7BS, GREAT BRITAIN</b>	
Citizenship <b>Great Britain</b>	
Post Office Address (if different)	

Full name of first inventor <b>James Stewart AITCHISON</b>	
Inventor's signature 	Date <b>Dec 19, 2001</b>
Residence <b>218 Glenrose Avenue, Toronto, Ontario Canada M4T 1K9</b>	
Citizenship <b>Great Britain</b>	
Post Office Address (if different)	